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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 1 of 1

COMPLETE IF KNOWN

Application Number	10/ 075,551
Confirmation Number	
Filing Date	February 14, 2002
First Named Inventor	Matthew L. LYNCH et al.
Group Art Unit	1756
Examiner Name	SADULA
Attorney Docket Number	8422M

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	U.S. PATENT DOCUMENT Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
js		4,557,935		Ekenstam et al.	12-10-1985	
js		5,196,201		Larsson et al.	03-23-1993	
js		5,230,895		Czarnecki et al.	07-27-1993	
js		5,531,925		Landh et al.	07-02-1996	
js		5,593,663		Leng et al.	01-14-1997	
js		5,753,259		Engstrom et al.	05-19-1998	
js		5,756,108		Ribier et al.	05-26-1998	
js		5,807,573		Ljusberg-Wahren et al.	09-15-1998	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Office ³ Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
js		WO 98/47487	A1	Nielsen	10-29-1998		
js		WO 99/12640	A1	Anderson	03-18-1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
js		R. G. LAUGHLIN, Equilibrium vesicles: fact or fiction?, Colloids and Surfaces A: Physicochemical and Engineering Aspects 128 (1997) 27-38	
js		J. C. SHAH, Cubic phase gels as drug delivery systems, Advanced Drug Delivery Reviews 47 (2001) 229-250	
js		N. CRUISE, Letter to the Editor "Mesoporous Alumina Made from a Bicontinuous Liquid Crystalline Phase," Journal of Colloid and Interface Science 241, 527-529 (2001)	
js		E. M. LANDAU, Lipidic cubic phases: A novel concept for the crystallization of membrane proteins, Proc. Natl. Acad. Sci. USA Vol. 93, pp. 14532-14535, 12/1996	
js		H. QIU, The phase diagram of the monoolein/water system: metastability and equilibrium aspects, Biomaterials 21 (2000) 223-234	
js		M. L. LYNCH, Aqueous-Phase Behavior and Cubic Phase-Containing Emulsions in the C ₁₂ E ₂ - Water System, Langmuir 2000, 16, 3537-3542	
js		R. G. LAUGHLIN, An Expedient Technique for Determining Solubility Phase Boundaries in Surfactant-Water Systems, Journal of Colloid and Interface Science, Vol. 55, No. 1, pgs. 239-241, 04/1976	
js		V. LUZZATI, Structure of the Cubic Phases of Lipid-Water Systems, Nature, Vol. 220, pgs. 485-488, 11/2/68	
js		J. R. BELLARE, Controlled Environment Vitrification System: An Improved Sample Preparation Technique, Journal of Electron Microscopycopy Technique, 10:87-111 (1988)	
js		M. R. PORTER, Handbook of Surfactants, 2 nd ed., Blackie Academic & Professional, 1994, pgs. 188-236	
js		S. HYDE, The Language of Shape, Elsevier Press, NY (1997)	
js		V. LUZZATI, Cubic Phases of lipid-containing systems, Journal Mol. Biol., 1993, 229, 540-551	
js		H. G. SCHNERING, Nodal surfaces of fourier series: fundamental invariants of structured matter, Condensed Matter 83, 407-412 (1991)	
js		G. RUMMEL, Lipidic Cubic Phases: New matrices for the three-dimensional crystallization of membrane proteins, Journal of Structural Biology 121, 92-91 (1998)	
js		H. LJUSBERG-WAHREN, Dispersion of the cubic liquid crystalline phase-structure, preparation and functionality aspects, Chimica Oggi, 1996, 14, 40-43	
js		NORLING, Formulation of a drug delivery system based on a mixture of monoglycerides and triglycerides for use in the treatment of periodontal disease, Journal Clin. Periodontal, 1992, 19 (9, Pt.2) 687-692	
js		K. LINDELL, Influence of a charged phospholipid on the release pattern of timolol maleate from cubic liquid crystalline phases, Progr Colloid Polym Sci (1998) 108:111-118	
js		S. ENGSTROM, Cubic phases for studies of drug partition into lipid bilayers, European Journal of Pharmaceutical Sciences 8 (1990), 243-254	
js		R. G. LAUGHLIN, The aqueous phase behavior of surfactants, Academic Press, NY, 1994, pg. 255	
js		McCUTCHEON, Emulsifiers & Detergents, North American Edition, vol. 1 (1994)	
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Jes	1	WO 01/68139	A1	Korea Institute of Science and Tech.	09/20/2001		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
Jes	2	J. S. KIM, et al., <i>Drug Formulations that Form a Dispersed Cubic Phase when Mixed with Water</i> , Proceed. Int'l. Symp. Control. Rel. Bioact. Mater., 27 (2000) Controlled Release Society, Inc., pgs. 1118 & 1119	

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